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<b>TRANSMITTAL LETTER</b> <b>(General - Patent Pending)</b>				Docket No. <b>19862</b>							
In Re Application Of: <b>Thomas Ziegler, et al.</b>											
Application No. <b>10/580,587</b>	Filing Date <b>May 25, 2006</b>	Examiner <b>Unassigned</b>	Customer No. <b>23389</b>	Group Art Unit <b>2629</b>	Confirmation No. <b>5447</b>						
Title: <b>TOUCH-SENSITIVE INPUT DEVICE AND FAULT DETECTION DEVICE FOR A TOUCH-SENSITIVE INPUT DEVICE, IN PARTICULAR FOR MEDICO-TECHNICAL DEVICES</b>											
<u>COMMISSIONER FOR PATENTS:</u>											
Transmitted herewith is:  <b>CORRESPONDENCE ENCLOSING TRANSLATION OF INTERNATIONAL PRELIMINARY EXAMINATION REPORT.</b>											
in the above identified application.											
<input checked="" type="checkbox"/> No additional fee is required.											
<input type="checkbox"/> A check in the amount of _____ is attached.											
<input checked="" type="checkbox"/> The Director is hereby authorized to charge and credit Deposit Account No. <b>19-1013/SSMP</b> as described below.											
<input type="checkbox"/> Charge the amount of _____											
<input checked="" type="checkbox"/> Credit any overpayment.											
<input checked="" type="checkbox"/> Charge any additional fee required.											
<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.											
<b>WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</b>											
_____ <i>Signature</i>  Leopold Presser Registration No. 19,827  Scully, Scott, Murphy & Presser 400 Garden City Plaza - Suite 300 Garden City, New York 11530 (516) 742-4343  cc: LP:jy			Dated: <b>September 29, 2006</b>  <table border="1" style="width: 100%; border-collapse: collapse;"><tr><td colspan="2">I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on <b>September 29, 2006</b> <small>(Date)</small></td></tr><tr><td colspan="2" style="text-align: center;">_____ <i>Signature of Person Mailing Correspondence</i> <b>Leopold Presser</b></td></tr><tr><td colspan="2" style="text-align: center;">_____ <i>Typed or Printed Name of Person Mailing Correspondence</i></td></tr></table>			I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on <b>September 29, 2006</b> <small>(Date)</small>		_____ <i>Signature of Person Mailing Correspondence</i> <b>Leopold Presser</b>		_____ <i>Typed or Printed Name of Person Mailing Correspondence</i>	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on <b>September 29, 2006</b> <small>(Date)</small>											
_____ <i>Signature of Person Mailing Correspondence</i> <b>Leopold Presser</b>											
_____ <i>Typed or Printed Name of Person Mailing Correspondence</i>											



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Applicant(s):** Thomas Ziegler, et al.

**Examiner:** Unassigned

**Serial No:** 10/580,587

**Art Unit:** 2629

**Filed:** May 25, 2006

**Docket:** 19862

**For:** TOUCH-SENSITIVE INPUT DEVICE AND  
FAULT DETECTION DEVICE FOR A TOUCH-  
SENSITIVE INPUT DEVICE, IN PARTICULAR  
FOR MEDICO-TECHNICAL DEVICES

**Dated:** September 29, 2006

**Confirmation No:** 5447

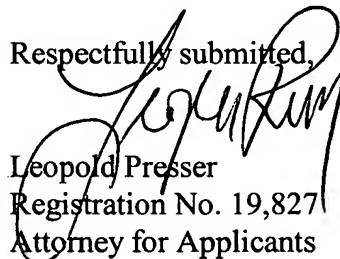
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**CORRESPONDENCE**

Sir:

Submitted herewith is a translation of the International Preliminary Examination  
Report, which was submitted on May 25, 2006.

Respectfully submitted,

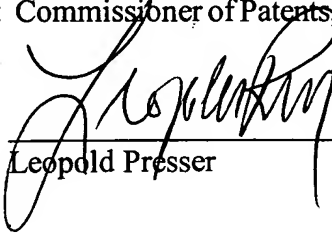
  
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**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

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**Dated:** September 29, 2006

  
Leopold Presser

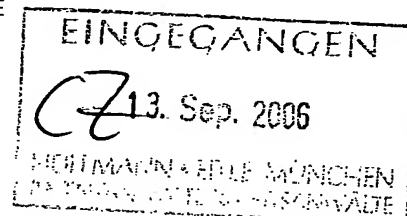
From the INTERNATIONAL BUREAU

**PCT**

NOTIFICATION OF TRANSMITTAL  
OF COPIES OF TRANSLATION  
OF THE INTERNATIONAL PRELIMINARY REPORT  
ON PATENTABILITY  
(CHAPTER I OR CHAPTER II  
OF THE PATENT COOPERATION TREATY)  
(PCT Rules 44bis.3(c) and 72.2)

To:

HOFFMANN EITLE  
Arabellastrasse 4  
81925 München  
ALLEMAGNE



Date of mailing (day/month/year) 08 September 2006 (08.09.2006)	
Applicant's or agent's file reference 106435 a/ubr	IMPORTANT NOTIFICATION
International application No. PCT/EP2004/013238	International filing date (day/month/year) 22 November 2004 (22.11.2004)
Applicant SORIN GROUP DEUTSCHLAND GMBH et al	

## 1. Transmittal of the translation to the applicant.



The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter I).



The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

## 2. Transmittal of the copy of the translation to the designated or elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

None

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EA, EC, EE, EG, EP, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

## 3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Authorized officer

Agnes Wittmann-Regis

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# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 106435 a/ubr	<b>FOR FURTHER ACTION</b>		See item 4 below
International application No. PCT/EP2004/013238	International filing date ( <i>day/month/year</i> ) 22 November 2004 (22.11.2004)	Priority date ( <i>day/month/year</i> ) 25 November 2003 (25.11.2003)	
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237			
Applicant SORIN GROUP DEUTSCHLAND GMBH			

1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).

2. This REPORT consists of a total of 16 sheets, including this cover sheet.

In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.

3. This report contains indications relating to the following items:

- |                                     |              |   |
|-------------------------------------|--------------|---|
| <input checked="" type="checkbox"/> | Box No. I    | Basis of the report   |
| <input type="checkbox"/>            | Box No. II   | Priority  |
| <input type="checkbox"/>            | Box No. III  | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability  |
| <input checked="" type="checkbox"/> | Box No. IV   | Lack of unity of invention  |
| <input checked="" type="checkbox"/> | Box No. V    | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input type="checkbox"/>            | Box No. VI   | Certain documents cited   |
| <input checked="" type="checkbox"/> | Box No. VII  | Certain defects in the international application  |
| <input type="checkbox"/>            | Box No. VIII | Certain observations on the international application   |

4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland  Facsimile No. +41 22 338 82 70	Date of issuance of this report 29 August 2006 (29.08.2006)  Authorized officer  <p style="text-align: center; font-weight: bold;">Agnes Wittmann-Regis</p> e-mail: pt06@wipo.int
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# PATENT COOPERATION TREATY

TRANSLATION

From the  
INTERNATIONAL SEARCHING AUTHORITY

PCT

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

To:

Date of mailing (day/month/year) **See Form PCT/ISA/210 (sheet 2)**

Applicant's or agent's file reference <b>106435 a/ubr</b>	<b>FOR FURTHER ACTION</b> See paragraph 2 below
--	--

International application No. <b>PCT/EP2004/013238</b>	International filing date (day/month/year) <b>22.11.2004</b>	Priority date (day/month/year) <b>25.11.2003</b>
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International Patent Classification (IPC) or both national classification and IPC  
**G03F7/20**

Applicant  
**SORIN GROUP DEUTSCHLAND GMBH**

1. This opinion contains indications relating to the following items:

- |                                     |              |  |
|-------------------------------------|--------------|--|
| <input checked="" type="checkbox"/> | Box No. I    | Basis of the opinion   |
| <input type="checkbox"/>            | Box No. II   | Priority   |
| <input type="checkbox"/>            | Box No. III  | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability   |
| <input checked="" type="checkbox"/> | Box No. IV   | Lack of unity of invention   |
| <input checked="" type="checkbox"/> | Box No. V    | Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability: citations and explanations supporting such statement |
| <input type="checkbox"/>            | Box No. VI   | Certain documents cited  |
| <input checked="" type="checkbox"/> | Box No. VII  | Certain defects in the international application   |
| <input type="checkbox"/>            | Box No. VIII | Certain observations on the international application  |

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/EP	Authorized officer
Facsimile No.	Telephone No.

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/EP2004/013238

Box No. I Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐

This opinion has been established on the basis of a translation from the original language into the following language

\_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (under Rule 12.3 and 23.1(b)).

2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:

a. type of material

☐

a sequence listing

☐

table(s) related to the sequence listing

b. format of material

☐

in written format

☐

in computer readable form

c. time of filing/furnishing

☐

contained in the international application as filed.

☐

filed together with the international application in computer readable form.

☐

furnished subsequently to this Authority for the purposes of search.

3. ☐

In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

4. Additional comments:

1 This report (Box V) makes reference to claims 1-24,  
corresponding to the fees paid for both  
inventions.

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/EP2004/013238

Box No. IV Lack of unity of invention

1. ☐ In response to the invitation (Form PCT/ISA/206) to pay additional fees the applicant has:
- ☐ paid additional fees
  - ☐ paid additional fees under protest
  - ☐ not paid additional fees
2. ☐ This Authority found that the requirement of unity of invention is not complied with and chose not to invite the applicant to pay additional fees.
3. This Authority considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 and 13.3 is
- ☐ complied with
  - ☐ not complied with for the following reasons:

2 The application does not meet the requirements of PCT Rule 13(1)-(2) (lack of unity of invention) for the following reasons:

2.1 The technical features of claims 1-24 could not be associated with the following different so-called inventions.

2.1.1 Invention 1 (claims 1-11, 12-22, 24), relating to:

(i) a touch-sensitive device operating according to the resistive principle wherein a signal is regularly applied to the resistive plates, this signal is measured and this measured value is compared to previously stored values to detect dysfunctions in the device.

(ii) wherein a plurality of measured values are stored for the comparison, the memory being managed in such a manner that space for new measured values is available and

4. Consequently, this opinion has been established in respect of the following parts of the international application:

- ☐ all parts
- ☐ the parts relating to claims Nos. \_\_\_\_\_

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/EP2004/013238

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability:  
citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	5, 7, 9-12, 16, 18, 20-23	YES
	Claims	1-4, 6, 8, 13-15, 17, 19, 24	NO
Inventive step (IS)	Claims		YES
	Claims	1-24	NO
Industrial applicability (IA)	Claims	1-24	YES
	Claims		NO

2. Citations and explanations:

Reference is made to the following documents:

- D1:** EP-A-0 528 598 (NCR INTERNATIONAL INC) 24 February 1993 (1993-02-24)
- D2:** "AUTOMATIC ZEROING OF FORCE-SENSITIVE TOUCH SCREEN" IBM TECHNICAL DISCLOSURE BULLETIN, IBM CORP. NEW YORK, US, Vol. 32, No. 11, 1 April 1990 (1990-04-01), pages 244-245, XP000097690 ISSN: 0018-8689
- D3:** US-A-6 016 140 (BLOUIN ET AL) 18 January 2000 (2000-01-18)
- D4:** US-A-6 005 200 (STANCHAK ET AL) 21 December 1999 (1999-12-21)
- D5:** WO 03/049002 A (3M INNOVATIVE PROPERTIES COMPANY) 12 June 2003 (2003-06-12)

3 INDEPENDENT CLAIMS 1 and 14

3.1 The subject matter of claims 1 and 14 of the present application does not meet the requirements of PCT Article 33(1)(2) for the following reasons:

3.2 Document **D1** discloses the subject matter of claim 1 as follows:

"touch sensitive device comprising



WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/EP2004/013238

Box No. V

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;  
citations and explanations supporting such statement

- a.) a first plate demonstrating a first conductive coating to which first and second bus managers are provided, these first and second bus managers facing each other, and
- b.) a second plate demonstrating a second conductive coating to which third and fourth bus managers are provided, these third and fourth bus managers facing each other,
- c.) wherein the plates are disposed at a distance from one another in such a manner that the conductive coatings face each other (D1, column 3, lines 30-48, and figures 1, 2: the 'layers 10 and 12' correspond to the two plates, 'upper and lower conductive layers 16 and 18 facing each other' correspond to the conductive coatings that face each other, 'digitizer electrodes 24 and 26' and 'digitizer electrodes 28 and 30' correspond to the four bus managers)
- d.) a first measuring device, which applies a reference signal to the bus manager of the first plate and determines a first measured value resulting from the first conductive coating.
- e.) a second measuring device, which applies a reference signal to the bus manager of the second plate and determines a second measured value resulting from the second conductive coating (D1, column 3, line 55 - column 4, line 23, column 5, line 3 - column 6, line 25, figures 1, 3, 4: the 'control circuit 22' fulfils the function of the first and second measuring devices. The signal 'current I' is applied to the bus manager and through the coatings by opening and closing

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/EP2004/013238

Box No. V

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;  
citations and explanations supporting such statement

*switches. The resistances 'resistance  $R_H$ ' and 'resistance  $R_V$ ', which correspond to the two measured values, are determined), and*

f.) a monitoring device,

(i) to which the measuring devices transmit the first and the second measured values,

(ii) which stores the transmitted measured values into a memory,

(iii) compares the measured values to one another, and

(iv) which determines and signals a dysfunction of the touch-sensitive device on the basis of deviations determined from the comparison (D1, column 5, line 3 - column 6, line 25, figures 3, 4: *the measured values are transmitted to the 'controller 64'; the first measured values 'resistance  $R_{HO}$ ' and 'resistance  $R_{VO}$ ' are stored in the memory and later measured values are compared to these; if the comparison value lies above a threshold, this is recognized as an error).*"

3.3 Claim 14 relates to a subject matter that corresponds to the subject matter of claim 1. The objections to claim 1 therefore also apply correspondingly to claim 14.

4 DEPENDENT CLAIMS 2-11, 13, 15-22, 24

4.1 The subject matter of claims 2-4, 6, 8, 13, 15, 17, 19, 24 of the present application does not meet the requirements of PCT Article 33(1)(2) for the following reasons.

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/EP2004/013238

Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability: citations and explanations supporting such statement
4.2	Document D1 discloses the subject matter of claims 2-4, 6, 8, 13, 15, 17, 19, 24 as follows:
4.2.1	Claim 2, relating to the vertical arrangement of the conductive coatings of claim 1 and the use of the device for determining the position of a point of contact (D1, column 4, lines 24-45).
4.2.2	Claim 3, relating to an alternative arrangement of the device in 5-wire technology (D1, column 10, lines 41-46)
4.2.3	Claim 4, relating to the use of the same electric circuit for the first and second measuring device (D1, column 5, lines 50-53 and column 6, lines 11-13 and figure 2: 'A/D converter 66' fulfils the function of both measuring devices (32, 33)).
4.2.4	Claim 6, relating to the integration of monitoring device and evaluation device (D1, column 4, lines 35-37, column 5, lines 57-58: the 'controller 64' fulfils both functions).
4.2.5	Claim 8, relating to a current as signal and voltage as measured value (D1, column 5, lines 47-53).
4.2.6	Claim 13, relating to the use of a non-volatile memory (D1, column 4, lines 19-23).
4.2.7	Claims 15, 17, 19, 24 relate to a subject matter that corresponds to the subject matter of claims 4, 6, 8, 13. The objections to the claims 4, 6, 8, 13 therefore also apply correspondingly to the claims 15, 17, 19, 24.
4.3	The subject matter of claims 5, 7, 9-11, 16, 18, 20-22 of the present application do not meet the

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/EP2004/013238

Box No. V

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;  
citations and explanations supporting such statement

requirements of PCT Article 33(1)(3) for the  
following reasons.

4.3.1        The remaining subject matter of claims **5**, **7** is  
not disclosed in document **D1**. However, these  
features only involve obvious implementation  
possibilities from which a person skilled in  
the art of touch-sensitive devices would  
choose according to the circumstances,  
without thereby being inventive.

4.3.2        The remaining subject matter of claims **9** and  
**11** is not disclosed in document **D1**. The  
problem addressed by the present invention  
can therefore be considered that of improving  
the user-friendliness of the touch-sensitive  
device.

The additional features of claims **9** and **11**,  
which relate to the repeated storing of  
measured values and their use in correcting  
the results of the evaluation device, are  
used in a similar touch-sensitive device in  
document **D2**, and offer the same advantages as  
the present application (**D2**, page 1, lines 2-  
5, 34-39: *periodic measurements are performed  
on a touch-sensitive device to detect and  
correct error performance of the device. In  
particular, a smoothed value that  
incorporates a plurality of previous values  
can be used*). The person skilled in the art  
of the touch-sensitive device would therefore  
consider the inclusion of this feature in the  
touch-sensitive device described in **D1** to be  
a routine design measure for solving the

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/EP2004/013238

Box No. V

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;  
citations and explanations supporting such statement

problem of interest.

4.3.3

The remaining subject matter of claim **10** is not disclosed in document **D1**. The problem addressed by the present invention can therefore be considered that of managing the memory in a more efficient manner. However, this feature, namely deleting/overwriting particular measured values in order to store new ones, only involves one of several obvious implementation possibilities, resulting from the finiteness of the available memory, from which a person skilled in the art of touch-sensitive devices would choose according to the circumstances, without thereby being inventive, in order to create memory space for new measured values and thereby solve the problem of being able to resort to earlier measured values when memory is limited. One well known principle of memory management, for example, is that the replaced value is the oldest value (in the specialist world, called 'least recently used (LRU)').

4.3.4

The remaining subject matter of claim **12** is not disclosed in document **D1**. The problem addressed by the present invention can therefore be considered that of detecting the inputted position more precisely. The additional feature of claim **12**, which relates to the interruption of the evaluation device, is used in a similar touch-sensitive device in document **D4** and offers the same advantages

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/EP2004/013238

Box No. V

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;  
citations and explanations supporting such statement

as in the present application (D4, column 2, lines 30-33). The person skilled in the art of touch-sensitive devices would therefore consider the inclusion of this feature in the touch-sensitive device described in D1 to be a routine design measure for solving the problem of interest.

- 4.3.5 Claims 16, 18, 20-23 relate to a subject matter that corresponds to the subject matter of claims 5, 7, 9-12. The objections to claims 5, 7, 9-12 therefore apply correspondingly to claims 16, 18, 20-23.

COMMENTS

- 5 The subject matter of claims 1, 9, 10 combined with the subject matter of the description, page 8, line 31- page 9, line 10, could form the basis for a new independent claim that meets the requirements of PCT Article 33(1)-(3) for the following reasons.
- 5.1 The closest prior art, D1, discloses a touch-sensitive device that carries out measurements and compares these to stored measured values in order to determine dysfunctions.
- 5.2 The additional subject matter of the suggested combination of features is novel over D1-D3 and relates to the storage of measured data over a longer time period, whereby older data become so sparse that the remaining measured data are not distributed continuously and extend back to the beginning of the life cycle of the touch-sensitive device.

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/EP2004/013238

Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability: citations and explanations supporting such statement
5.3	<p>The additional subject matter of the suggested combination of features has the technical effect that both very long-term drift and short-term fluctuations in the measured values can be detected and corrected without having to claim an excessive amount of memory. This has the advantage that the memory can be kept small without forfeiting functionality. The objective problem that the suggested combination of features solves is therefore: how can the memory requirements be reduced while keeping functionality the same.</p>
5.4	<p>The prior art did not disclose anything that would motivate the person skilled in the art to amend <b>D1</b> in such a manner that he would come to a solution like that presented in the suggested combination of features.</p>
5.5	<p>The subject matter of the suggested combination of features could thus form the basis for a new claim that meets the requirements of PCT Article 33(1)-(3).</p>

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/EP2004/013238

Box No. VII Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

- 6 The independent claims have not been drafted in the two-part form in relation to the closest prior art (document **D1**) and therefore do not meet the requirements of PCT Rule 6.3(b).
- 7 The description does not cite documents **D1-D3** in order to present the invention in an appropriate manner and therefore does not meet the requirements of PCT Rule 5.1(a)(ii).



Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of:

Box IV

these measured values are used to correct the dysfunction.

2.1.2 Invention 2 (claims 1, 12, 14, 23), relating to:

(i) a touch-sensitive device operating according to the resistive principle wherein a signal is regularly applied to the resistive plates, this signal is measured and this measured value is compared to previously stored values to detect dysfunctions in the device,

(iii) wherein the measuring device supplies a signal to the evaluation device so that the evaluation device will interrupt its function.

2.2 The so-called inventions 1 and 2 have technical feature (i) in common. However, said technical feature (i) is already known from document D1 (D1, column 3, lines 30-48, column 4, lines 24-45, column 5, line 10-column 6, line 25, figures 1, 2). The additional technical features (ii) and (iii) of inventions 1 and 2 are special technical features, which distinguish these inventions from the known prior art in D1. These additional technical features have no technical relationship with one another and therefore do not meet the requirements of PCT Rule 13.2. Furthermore, technical features (ii) and (iii) relate to the solution of different problems, namely (Pii)

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/EP2004/013238

Supplemental Box

detecting short-term fluctuations and long-term  
'drift' in the touch-sensitive device; (Piii)  
synchronizing the evaluation device and measuring  
device. The claims as a whole are therefore based  
on more than one inventive approach, so the claims  
do not meet the requirements of PCT Rule 13.1.

Supplemental Box

Box VIII

- 8 The application does not meet the requirements of PCT Article 6 because claims 4, 6, 11, 12, 15, 17, 22, 23 are not clear.
- 8.1 Claims 6, 11, 12 (or 17, 22, 23, respectively) are worded as dependent claims of claim 1 (or claim 14, respectively), but relate to an evaluation device that is first introduced in claim 2 (or not at all).
- 8.2 In addition, the term "evaluation device" in claims 6 and 11 seems to relate to two different features, as becomes clear on the basis of reference signs 30 and 30' as well as figure 2.
- 8.3 The measuring devices (German: Messeinrichtungen) 32 and 33 of claim 1 are called measuring devices (German: Messvorrichtungen) in claim 4, but relate to the same technical features, as is made clear by the reference signs.
- 8.4 According to PCT Rule 10.2, terminology and signs must be consistent throughout the entire application. This requirement is not satisfied. The subject matter of these claims is therefore vague and unclear and leaves the reader uncertain as to the meaning of the technical features in question.